

5090
Ser 1811GM/L3097
11 Dec 1992

Mr. Tom Lanphar
Department of Toxic Substances Control
700 Heinz Ave., Suite 200
Berkeley, CA 94710

Subj: INTERIM REMOVAL OF FLOATING PRODUCT AT THE INTERMEDIATE
MAINTENANCE FACILITY (IMF) SITE AT NAS ALAMEDA

Dear Mr. Lanphar:

This letter summarizes the recent events and agreements made regarding the detection of floating product at NAS Alameda.

On November 4, 1992, personnel from NAS Alameda, WESTDIV, PRC, J. M. Montgomery and your office met at the Intermediate Maintenance Facility (IMF) site at NAS Alameda to observe IT Corporation personnel bail and sample free product from IMF site monitoring well MW-IMF-01. A one and a half inch diameter, three-foot long teflon bailer was used to extract three bailer volumes worth of hydrocarbon free product from MW-IMF-01. Samples were collected for analysis of hydrocarbon type. The bailer appeared to contain only free product and water was not observed in this well. Nearby monitoring well MW-IMF-02 was also sampled and was found to contain water, however, no free-product or hydrocarbon odors were observed in MW-IMF-02. The two wells are approximately 20 feet apart and roughly cross-gradient to each other. Samples from both wells were also analyzed for pH and lead. The laboratory results of these samples are included as enclosure (1).

On November 6 and 13, 1992, IT Corporation again bailed MW-IMF-01. On November 6, three bailer volumes of hydrocarbon free product were extracted and on November 13, approximately two and a half bailer volumes were extracted. Laboratory results of the November 13 sample are included as enclosure (2).

In meetings with your office held on November 4 and 13, the Navy agreed to implement an interim removal action to remove the floating product from well MW-IMF-01. The Navy is undertaking contractual actions with a Contractor to perform the interim removal. As discussed with Ms. Virginia Lasky in a phone conversation on November 19, the contractor shall provide monitoring logs, health and safety plans, a description of transportation and disposal procedures, and a summary report of the removal operations. The scope of work for this removal is included as enclosure (3). We anticipate the interim removal action will be conducted in January 1993.

If you have any questions regarding this matter, please contact either Mr. Gary J. Munekawa, Code 1811GM, (415) 244-2524 or Mr. George Kikugawa, Code 1811GK, (415) 244-2559.

Sincerely,

LOUISE T. LEW
Head, Installation Restoration Section

Encl: (1) Laboratory Analyses for MW-IMF-01 and MW-IMF-02 Sampled November 4, 1992
(2) Laboratory Analysis for MW-IMF-01 Sampled November 13, 1992
(3) Scope of Work for Removal of Floating Product dated December 11, 1992

Copy to :

California Regional Water Quality Control Board (Attn: Janette Baxter)
NAS Alameda (Attn: Randy Cate)
NADEP Alameda (Attn: Paul Pentony)
PRC Environmental Management, Inc. (Attn: Duane Balch)
James M. Montgomery Consulting Engineers, Inc. (Attn: Ken Leung)

Blind Copy to:

1811, 1811GM, 1811GK, 1822KC,
Admin Record (3 copies)
Chron, Blue, Pink, Green
WRITER; Gary J. Munekawa/1811GM/x2524
FILE: Alameda/NAS

LEAD
EPA METHOD 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-388
PERMIT #:
ORDER #:
LOCATION: NAS ALAMEDA

DATE SAMPLED: 11/04/1992
DATE RECEIVED: 11/04/1992
DATE EXTRACTED: 11/09/1992
DATE ANALYZED: 11/09/1992
INSTRUMENT ID: JA 900
MATRIX: OIL
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 1g

<u>ELI SAMPLE I.D.</u>	<u>SAMPLE I.D.</u>	<u>RESULT</u> <u>[mg/Kg (ppm)]</u>
9211042-01A	MF-01 A	<3.0
9211042-03A	METHOD BLANK	<3.0
DETECTION LIMIT - 3.0 (mg/Kg (ppm))		
9211042-05A	MATRIX SPIKE RECOVERY	84% *
9211042-06A	MATRIX SPIKE RECOVERY DUPLICATE	82% *

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch. Analyzed on 11-10-92.

Susie Lee, Ph.D.

Chemist

November 13, 1992

Date

LEAD
EPA METHOD 6010

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification: 1165

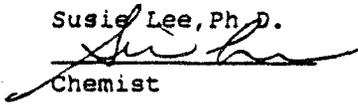
CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-388
PERMIT #:
ORDER #:
LOCATION: NAS ALAMEDA

DATE SAMPLED: 11/04/1992
DATE RECEIVED: 11/04/1992
DATE EXTRACTED: 11/05/1992
DATE ANALYZED: 11/06/1992
INSTRUMENT ID: JA 900
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 100ml

<u>ELI SAMPLE I.D.</u>	<u>SAMPLE I.D.</u>	<u>RESULT</u> <u>[mg/L (ppm)]</u>
9211042-02A	1MF-02-01	<0.05
9211042-03A	METHOD BLANK	<0.05
DETECTION LIMIT - 0.05 [mg/L (ppm)]		
9211042-07A	REAGENT SPIKE RECOVERY	104% *
9211042-08A	REAGENT SPIKE RECOVERY	104% *
	DUPLICATE	

* Reagent spike set is used due to matrix interference.

Susie Lee, Ph.D.


Chemist

November 13, 1992

Date

PH
EPA METHOD 9045

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O.#: 93E-388
PERMIT #:
ORDER #:
SAMPLE LOCATION: NAS ALAMEDA

DATE SAMPLED: 11/04/1992
DATE RECEIVED: 11/04/1992
DATE EXTRACTED: 11/05/1992
DATE ANALYZED: 11/05/1992
INSTRUMENT ID: PH ELECTRODE
MATRIX: OIL
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 20g

<u>ELI SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>RESULT</u>
9211042-01A	MF-01 A	5.74
	MF-01 A DUPLICATE	5.71

Cindy Gao


Chemist

November 13, 1992
Date

PH
EPA METHOD 9040

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O.#: 93E-388
PERMIT #:
ORDER #:
SAMPLE LOCATION: NAS ALAMEDA

DATE SAMPLED: 11/04/1992
DATE RECEIVED: 11/04/1992
DATE EXTRACTED: NA
DATE ANALYZED: 11/05/1992
INSTRUMENT ID: PH ELECTRODE
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA

<u>ELI SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>RESULT</u>
9211042-02A	IMF-02-01	3.94
	IMF-02-01 DUPLICATE	3.95

Cindy Gao,


Chemist

November 13, 1992
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-388
SAMPLE LOCATION:
ELI SAMPLE ID: 9211042-01A
FILE ID: NA
SAMPLE ID: MF-01 A

DATE SAMPLED: 11/04/92
DATE RECEIVED: 11/04/92
DATE EXTRACTED: 11/05/92
DATE ANALYZED: 11/06/92
INSTRUMENT ID: SVG1
MATRIX: OIL
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 1g
DILUTION FACTOR: 10.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP5 Range	<2000	2000
Gasoline Range	NA	NA
Diesel Range	278000	4000
Motor Oil Range	NA	NA
Total Petroleum Hydrocarbons	278000	
CARBON NO. RANGE		
JP5 Range	-	
Gasoline Range	-	
Diesel Range	C12-C18	
Motor Oil Range	-	
PEAK CARBON NO.		
JP5 Range	-	
Gasoline Range	-	
Diesel Range	C16	
Motor Oil Range	-	

Higher detection limit is due to high analyte concentration.

Samir Samaan 

Chemist

11/11/92

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-388
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9211042-03A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 11/04/92
DATE EXTRACTED: 11/05/92
DATE ANALYZED: 11/06/92
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS

CONCENTRATION

DETECTION LIMIT

JP5 Range
Gasoline Range
Diesel Range
Motor Oil Range
Total Petroleum
Hydrocarbons

ppm (mg/Kg)
<200
NA
<400
NA

ppm (mg/Kg)
200
NA
400
NA

CARBON NO. RANGE

JP5 Range
Gasoline Range
Diesel Range
Motor Oil Range

-
-
-
-

PEAK CARBON NO.

JP5 Range
Gasoline Range
Diesel Range
Motor Oil Range

-
-
-
-

Samir Samaan 

Chemist

11/11/92

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-388
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9211042-07A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 11/04/92
DATE EXTRACTED: 11/05/92
DATE ANALYZED: 11/06/92
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP5 Range	68%
Gasoline Range	NA
Diesel Range	NA
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

Reagent spike set is used due to matrix interference.

Samir Samaan 

Chemist

11/11/92

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-388
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9211042-08A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 11/04/92
DATE EXTRACTED: 11/05/92
DATE ANALYZED: 11/06/92
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS	CONCENTRATION
	%
JP5 Range	69%
Gasoline Range	NA
Diesel Range	NA
Motor Oil Range	NA
Total Petroleum Hydrocarbons	
CARBON NO. RANGE	
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-
PEAK CARBON NO.	
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

Reagent spike set is used due to matrix interference.

Samir Samaan 

Chemist

11/11/92

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-388
SAMPLE LOCATION:
ELI SAMPLE ID: 9211042-02A
FILE ID: NA
SAMPLE ID: 1MF-02-01

DATE SAMPLED: 11/04/92
DATE RECEIVED: 11/04/92
DATE EXTRACTED: 11/05/92
DATE ANALYZED: 11/06/92
INSTRUMENT ID: SVG1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 1000mL
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
JP5 Range	<.1	.1
Gasoline Range	NA	NA
Diesel Range	<.2	.2
Motor Oil Range	NA	NA
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

Unknown peaks have been observed in this sample.

Samir Samaan 

Chemist

11/11/92

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 92-11-042
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-388
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9211042-09A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 11/04/92
DATE EXTRACTED: 11/05/92
DATE ANALYZED: 11/06/92
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 1000mL
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS

CONCENTRATION

DETECTION LIMIT

JP5 Range
Gasoline Range
Diesel Range
Motor Oil Range
Total Petroleum
Hydrocarbons

ppm (mg/L)

ppm (mg/L)

<.1

.1

NA

NA

<.2

.2

NA

NA

CARBON NO. RANGE

JP5 Range
Gasoline Range
Diesel Range
Motor Oil Range

-

-

-

-

PEAK CARBON NO.

JP5 Range
Gasoline Range
Diesel Range
Motor Oil Range

-

-

-

-

Samir Samaan 

11/11/92

Chemist

Date

ENCLOSURE 2

LABORATORY ANALYSIS FOR MW-IMF-01
SAMPLED NOVEMBER 13, 1992

THE ABOVE IDENTIFIED PAGE ENCLOSURE
IS NOT AVAILABLE.

EXTENSIVE RESEARCH WAS PERFORMED BY
NAVFAC SOUTHWEST TO LOCATE THIS
ENCLOSURE. THIS PAGE HAS BEEN INSERTED
AS A PLACEHOLDER AND WILL BE REPLACED
SHOULD THE MISSING ITEM BE LOCATED.

QUESTIONS MAY BE DIRECTED TO:

DIANE C. SILVA
RECORDS MANAGEMENT SPECIALIST
NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676

ENCLOSURE 3

**SCOPE OF WORK FOR REMOVAL OF FLOATING
PRODUCT DATED DECEMBER 11, 1992**

**THE ABOVE IDENTIFIED PAGE ENCLOSURE
IS NOT AVAILABLE.**

**EXTENSIVE RESEARCH WAS PERFORMED BY
NAVFAC SOUTHWEST TO LOCATE THIS
ENCLOSURE. THIS PAGE HAS BEEN INSERTED
AS A PLACEHOLDER AND WILL BE REPLACED
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SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132**

TELEPHONE: (619) 532-3676